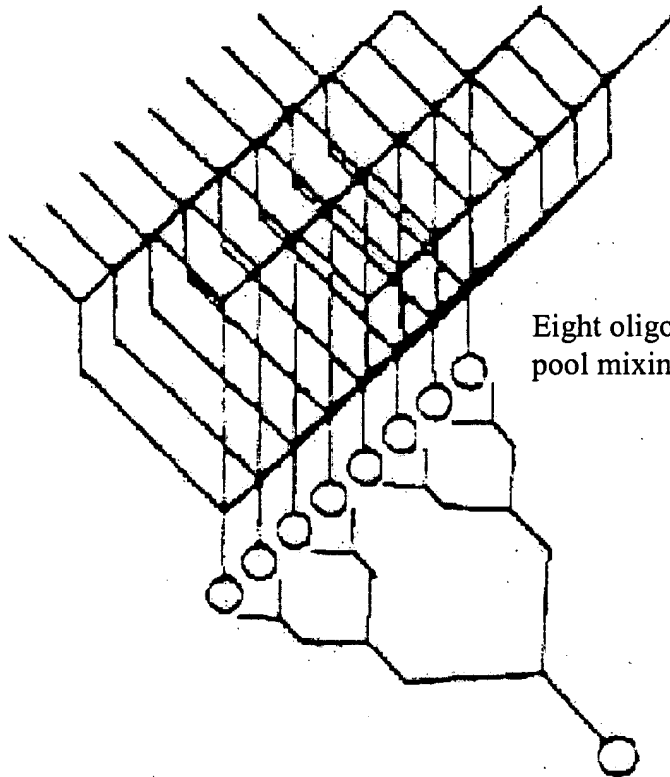


96 oligonucleotides
48 pairs of overlapping
50mers



Eight oligonucleotide
pool mixing, 300 bs. double stranded

One oligonucleotide
assembly, 2400 bs
double stranded

Figure 9

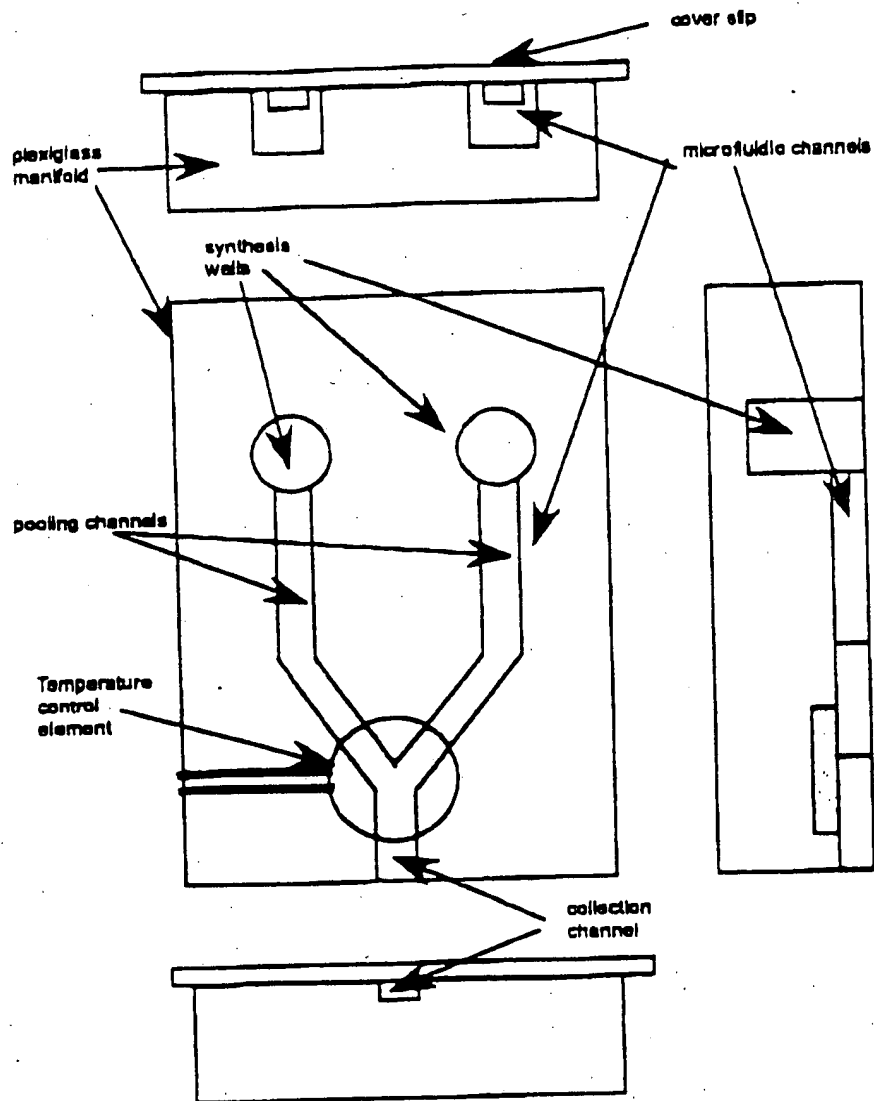


Figure 10

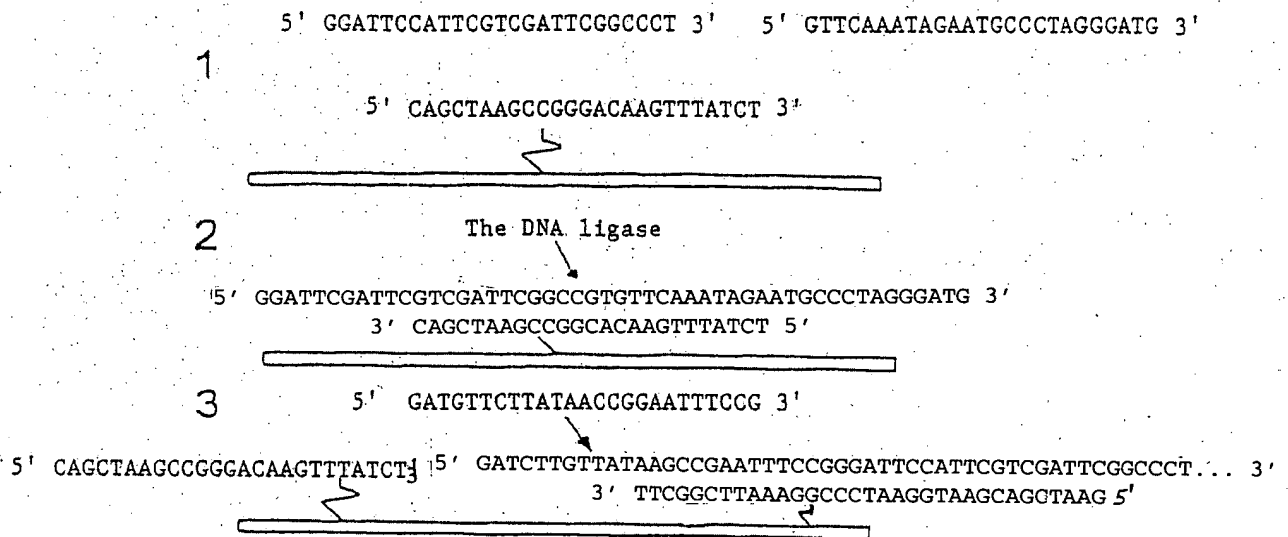


Figure 13

Bidirectional primer extension strategy for gene assembly

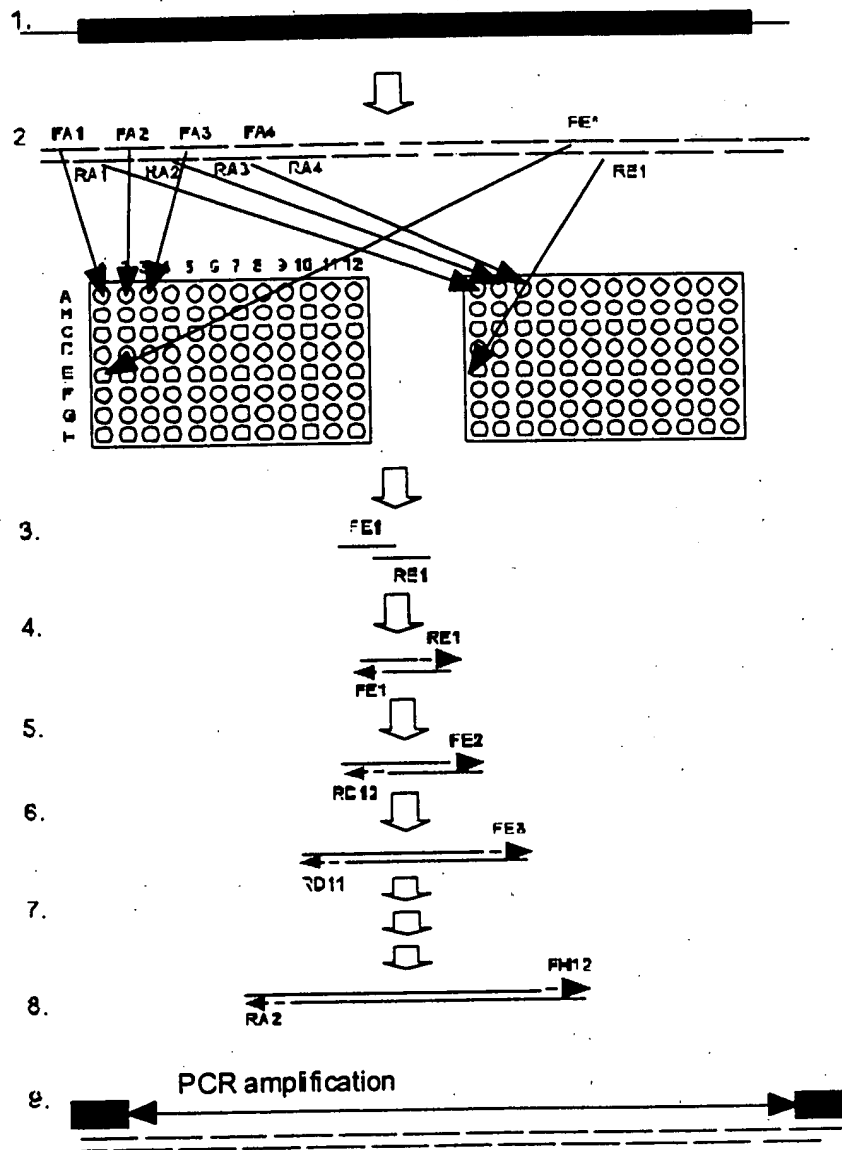


Figure 16

Generation of self-assembling oligonucleotide arrays

Option 1

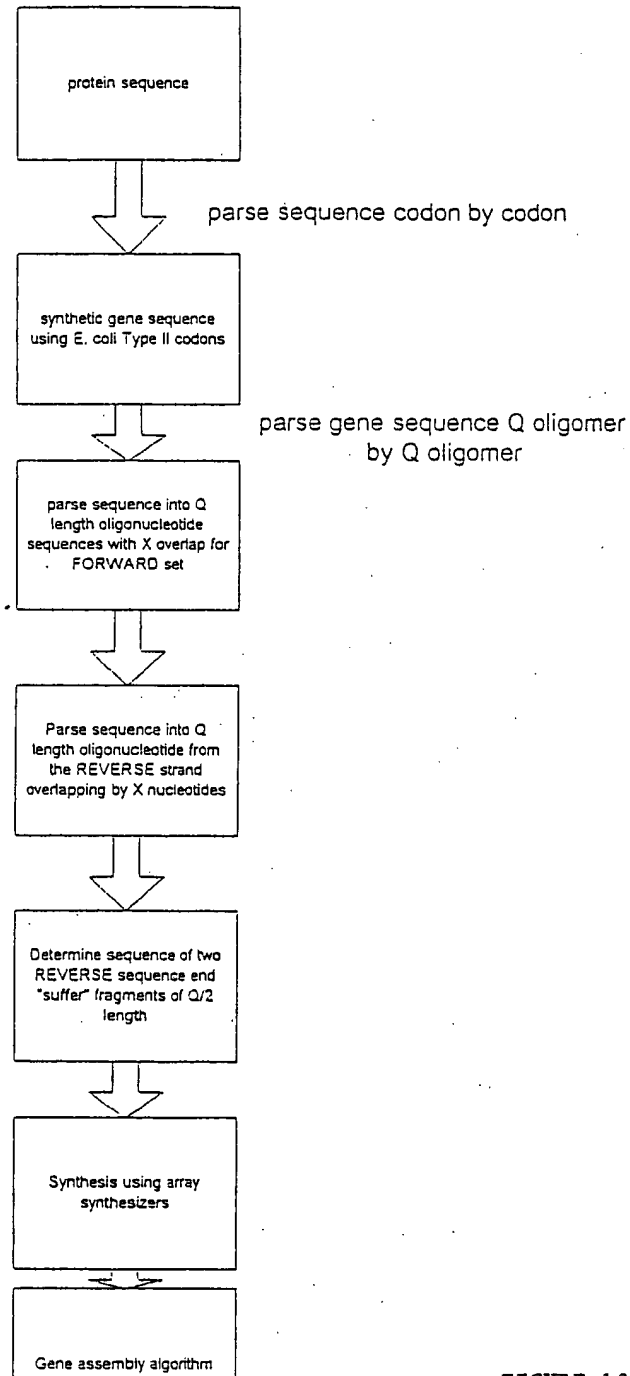


FIGURE 19

Assembly of Self assembling oligonucleotide arrays

Option 1

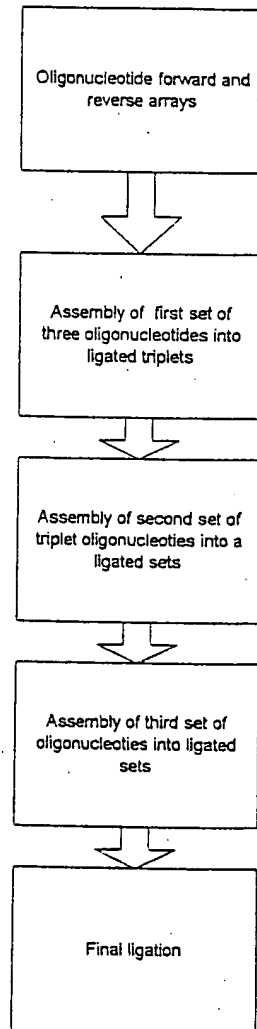


FIGURE 19

Generation of self-assembling oligonucleotide arrays

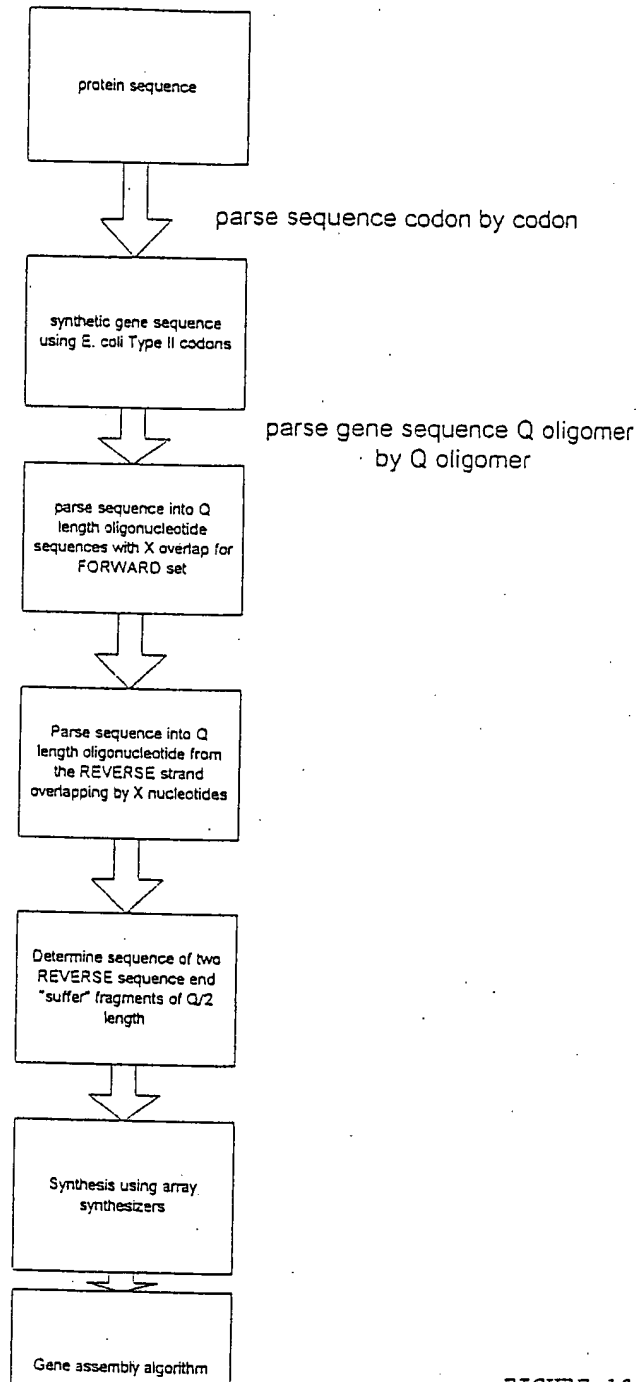


FIGURE 19